

ABSTRACT

The invention relates to a sensitive system for detecting chemical and/or physical state changes, preferably inside packages, of small sample volumes or a high-viscosity medium containing substances or the mixtures thereof. The aim of said invention is to make it possible to check at a low cost the state of said substances or the mixtures thereof or of different media. For this purpose, the inventive sensitive system is designed in such a way that a membrane or a sensitive film (1) is arrangeable on or in an element (3) which is interchangeably connectable to a cannula (2), thereby making it possible to introduce the element (3) and the cannula (2) into a measurable medium and to form an optical connection with an optical sensor system (4).